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**Gene Necessary for Striatal Function, Uses Thereof, and
Compounds for Modulating Same**

Abstract

5 PDE10A, a gene that is normally highly expressed in mammalian striatum and
elsewhere, has been found to decrease in expression during the development of CAG repeat
disorders such as Huntington's disease. The invention teaches a method for detecting the
presence of or the predisposition for a CAG repeat disorder. Compounds which modulate
CAG repeat disorders and their uses are taught. Methods for screening for further
10 compounds to modulate CAG repeat disorders are also taught.